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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Isao Sakamoto

P30245

1323

7055 7590 06/15/2010  
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EXAMINER

TAKEUCHI, YOSHITOSHI

ART UNIT

PAPER NUMBER

1793

NOTIFICATION DATE

DELIVERY MODE

06/15/2010

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com  
pto@gbpatent.com



### **DETAILED ACTION**

1. Claims 1, 3-13 and 15-18 are presented for examination. Claims 2 and 14 are cancelled.

#### ***Claim Rejections - 35 USC § 103***

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 3-13 and 15-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al. (WO 03/026835 A1), with specific references made through Saito et al. (US 2004/0250919) in view of an English abstract of Nakajima et al (JP-05-000391).

Saito in view of Nakajima is applied to claims 1, 3-13 and 15-18 for the same reasons as provided in the prior Office action.

#### ***Response to Arguments***

4. Applicant's arguments filed March 22, 2010 have been fully considered but they are not persuasive.
5. Regarding the 35 U.S.C. § 103(a) rejections of claims 1 and 3-12, the applicants make the following arguments.

- a. First, the applicants argue Nakajima teaches a cream solder composition which is in a "paste state" and applied through a rough printing technique, whereas the instant invention is for a solder composition with a viscosity that flows at room temperature.

In response, the claim is broad and does not specify a flow rate. It would be expected that the paste as taught by Nakajima would flow, albeit slowly, at room temperature, as claimed, since it is prepared by kneading and mixing at room temperature (0113). Moreover, the examples show the viscosity to be in the order of 0.1 pois (Table

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1) to 5,200 pois (Table 4), where a viscosity of less than 10 pois more typical (Tables 1, 3-4, and 8-10).

b. Second, the applicants argue that Nakajima does not teach reducing the viscosity.

In response, the examiner respectfully refers to the response *supra*, where the paste as taught by Nakajima will flow, albeit slowly, at room temperature. The claimed invention does not have a step further reducing in the viscosity of the solder composition.

c. Third, the applicants argue that combining the teachings of Nakajima with Saito would not lead to the present invention with a viscosity that flows at room temperature.

In response, the examiner respectfully refers to the response *supra*.

d. Fourth, the applicants

6. Regarding the 35 U.S.W.C. § 103(a) rejections of claims 13 and 15-18, the applicants make similar arguments to the ones made *supra*.

In response, the examiner respectfully refers the responses *supra*.

### ***Conclusion***

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSHITOSHI TAKEUCHI whose telephone number is (571) 270-5828. The examiner can normally be reached on Monday-Thursday 9:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Roy King/  
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1793

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